

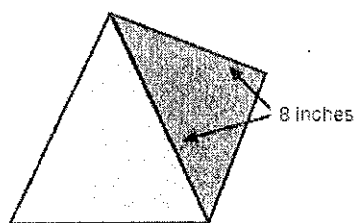
Name: _____
Date: _____

Geometry Unit | Lesson 2E homework

Directions: Show your work clearly for each problem.

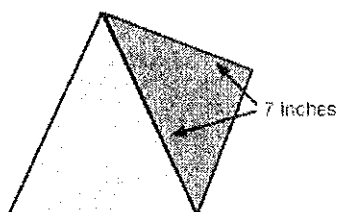
1. Maggie is using leftover fabric and scaled-down patterns to make mini pillows. How much fabric will she need to make each pillow?

pink pillow



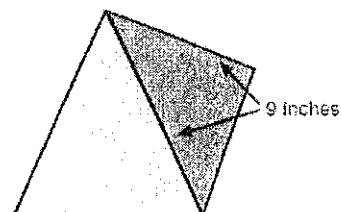
base: $5\frac{1}{2} \times 5\frac{1}{2}$ in
triangle height: 7 in

yellow pillow



base: 6 x 6 in
triangle height: $6\frac{1}{4}$ in

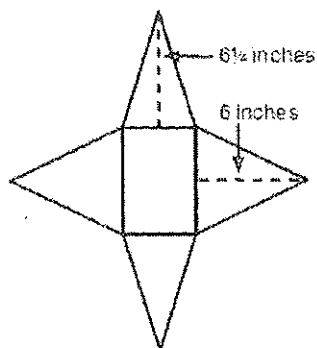
blue pillow



base: $7\frac{1}{2} \times 7\frac{1}{2}$ in
triangle height: $5\frac{1}{2}$ in

Work Space:

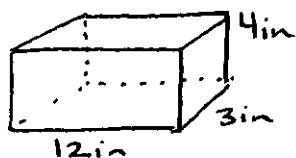
2. Maggie doesn't have enough fabric for the yellow pillow, so she modified the pattern so it has a rectangle base instead of a square base. How much less fabric than the square pyramid does the rectangular pyramid use? Explain.



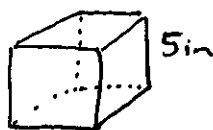
base: 6 x 4 inches

3. Find the surface area of each prism:

A.



B.



C.

